

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number  
**WO 2004/012050 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 9/45**

(21) International Application Number:  
PCT/US2003/023331

(22) International Filing Date: 25 July 2003 (25.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/398,940 25 July 2002 (25.07.2002) US

(71) Applicant (for all designated States except US): **WIRE-  
DRED SOFTWARE CORPORATION** [US/US]; 4669  
Murphy Canyon Road, Suite 108, San Diego, CA 92123  
(US).

(71) Applicant and

(72) Inventor: **DRENNAN, Allen, E.** [US/US]; 10591 Oak-  
bend Drive, San Diego, CA 92131 (US).

(74) Agent: **JOBE, Jonathan, E., Jr.**; Pillsbury Winthrop,  
LLP, 11682 El Camino Real, Suite 200, San Diego, CA  
92130-1593 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
30 September 2004

[Continued on next page]

(54) Title: **REAL-TIME COMMUNICATION APPLICATIONS AND SYSTEM**

ENTERPRISE INSTANT MESSAGING	EXTRANET WEB CONFERENCING	VOICE AND VIDEO CONFERENCING
ESDK	ECONFERENCING SDK	
COMPONENT ARCHITECTURE		
SECURITY AND ENCRYPTION	DIRECTORY INTEGRATION	CENTRALIZED MANAGEMENT
CHANNELS	PIPES	PRESENCE
REAL-TIME ROUTING ENGINE		

(57) Abstract: A software development kit enables developers to provide real-time communications capabilities to existing software applications.

WO 2004/012050 A3

WO 2004/012050 A3



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/23331

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : GO6F 9/45  
US CL : 717/109; 709/204, 205, 227

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 717/109; 709/204, 205, 227

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WEST (IBM TDB, JPO, EPO, DERWENT, USPAT, PGPUBS)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,564,261 B1 (GUDJONSSON ET AL.) 13 MAY 2003 (13.05.2003), FIGS. 2-6, 14-25, COLS. 1-42.	1-9
X,P	US 2003/0074451 A1 (PARKER ET AL.) 17 APRIL 2003 (17.04.2003), FIGS. 1, 8-10, PAGES 1-6.	1-9
X	US 2002/0010744 A1 (PRELL ET AL.) 24 JANUARY 2002 (24.01.2002), FIGS. 2-3, PAGES 1-10.	1-9
X,P	US 2003/0023684 A1 (BROWN ET AL.) 30 JANUARY 2003 (30.01.2003), FIGS. 2-8, PAGES 1-13.	1-9

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

26 June 2004 (26.06.2004)

Date of mailing of the international search report

20 JUL 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Kakali Chaki

Telephone No. (703) 305-3900